

Abstract of the Invention

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The invention relates to a vibration damper for a tubular propeller shaft in the drive train of a motor vehicle having a mass body mounted concentrically, in the propeller shaft or in a sleeve attached in the propeller shaft, by way of at least one rubber spring element. Metal and/or flexible rubber stop elements that limit the vibration travel of the mass body at least in the radial direction are arranged between the mass body and the sleeve. Alternatively, the mass body and/or the sleeve are configured at least locally, in mutually opposite regions, as stop elements that limit the vibration travel of the mass body at least in the radial direction.

What is created with the invention is a vibration damper that effectively damps the flexural vibrations of the propeller shaft for specific frequencies without perceptibly increasing the imbalance of the propeller shaft in other frequency ranges.